

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G08C19/28 H04B1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B G08C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/017615 A1 (FAN YU-WU ET AL) 30 August 2001 (2001-08-30) paragraph '0011! - paragraph '0012! paragraph '0044!	1,4
A	WO 01/39150 A (KONINKL PHILIPS ELECTRONICS NV) 31 May 2001 (2001-05-31) cited in the application page 5, line 22 - page 8, line 23	1,4
A	EP 0 314 177 A (NIPPON DENKI HOME ELECTRONICS) 3 May 1989 (1989-05-03) column 7, line 13 - line 21 column 9, line 44 - column 11, line 9	1,4
A	DE 43 28 394 A (FRANCO LAPESCHI ELECTRONIC) 2 March 1995 (1995-03-02) column 4, line 50 - column 5, line 14	1,4
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

30 November 2004

Date of mailing of the international search report

06/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/056531 A (KONINKL PHILIPS ELECTRONICS NV) 10 July 2003 (2003-07-10) claims 1,6,7 -----	1,4

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			WO	0139150 A2	31-05-2001
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